

Data File : BE101118.D  
Acq On : 22 Jan 2020 17:16  
Operator : CG/JU  
Sample : L1148-08MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

Quant Time: Jan 23 04:07:01 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 08 18:36:25 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 2618     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.50 | 136  | 11974    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 7030     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 15718    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 16905    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.69 | 264  | 21348    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.34  | 112 | 1967  | 0.33 | ng | 0.00  |
| 5) Phenol-d6                | 6.91  | 99  | 2987  | 0.40 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.87  | 82  | 2482  | 0.29 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.10 | 152 | 5319  | 0.23 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 455   | 0.23 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.99 | 172 | 7375  | 0.28 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 49768 | 0.23 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.72 | 244 | 12858 | 0.31 | ng | -0.01 |

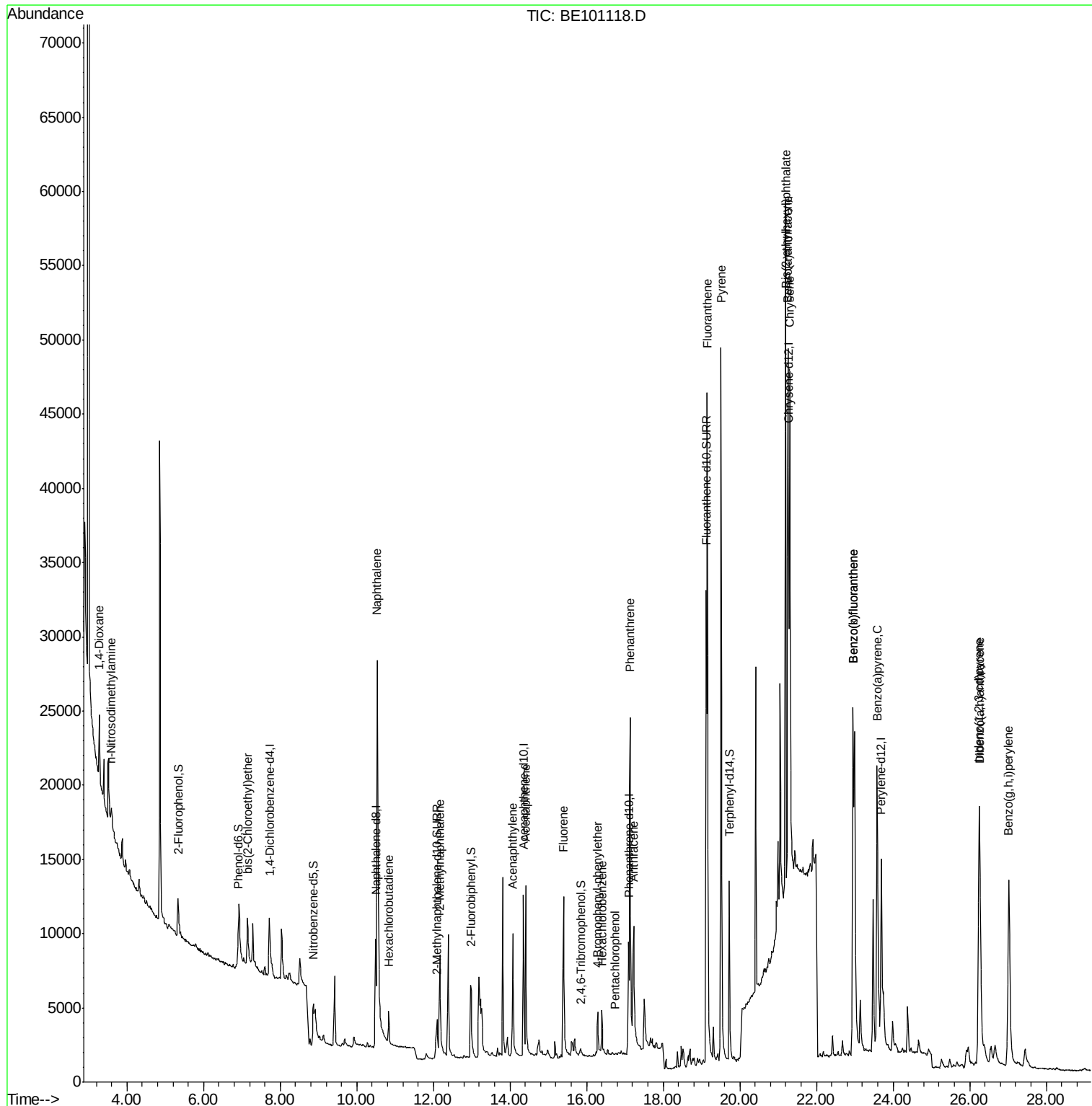
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.28  | 88  | 2761  | 0.454  | ng | # 53 |
| 3) n-Nitrosodimethylamine      | 3.59  | 42  | 1032  | 0.284  | ng | # 81 |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 1991  | 0.224  | ng | 85   |
| 9) Naphthalene                 | 10.54 | 128 | 62669 | 0.471  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.83 | 225 | 1461  | 0.259  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.17 | 142 | 6805  | 0.338  | ng | 98   |
| 16) Acenaphthylene             | 14.07 | 152 | 11791 | 0.412  | ng | 100  |
| 17) Acenaphthene               | 14.41 | 154 | 6068  | 0.296  | ng | 99   |
| 18) Fluorene                   | 15.39 | 166 | 9357  | 0.361  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.29 | 248 | 1989  | 0.259  | ng | 96   |
| 21) Hexachlorobenzene          | 16.40 | 284 | 2075  | 0.247  | ng | 98   |
| 22) Pentachlorophenol          | 16.75 | 266 | 10    | 0.253  | ng | # 78 |
| 23) Phenanthrene               | 17.13 | 178 | 31755 | 0.740  | ng | 99   |
| 24) Anthracene                 | 17.23 | 178 | 17106 | 0.422  | ng | 98   |
| 26) Fluoranthene               | 19.15 | 202 | 45478 | 0.846  | ng | 100  |
| 28) Pyrene                     | 19.51 | 202 | 49424 | 0.785  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 35159 | 0.729  | ng | 95   |
| 31) Chrysene                   | 21.31 | 228 | 37504 | 0.523  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 60084 | 0.747  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.25 | 276 | 33123 | 0.585  | ng | 95   |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 42504 | 0.710  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 22.95 | 252 | 42504 | 0.490  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.59 | 252 | 35264 | 0.609  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 17394 | 0.327  | ng | 95   |
| 39) Benzo(g,h,i)perylene       | 27.02 | 276 | 33712 | 0.515  | ng | 98   |

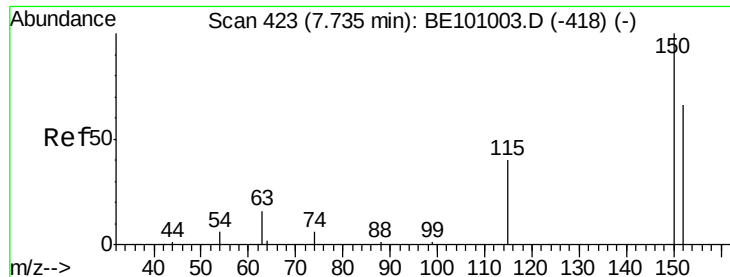
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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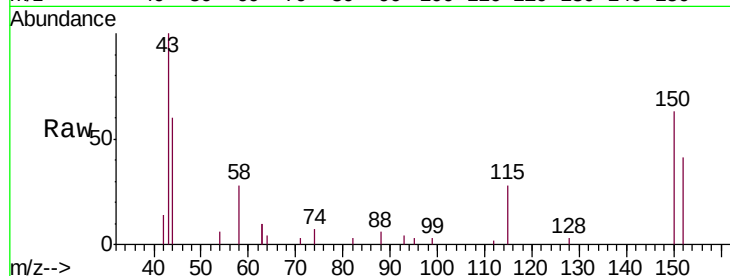


#1

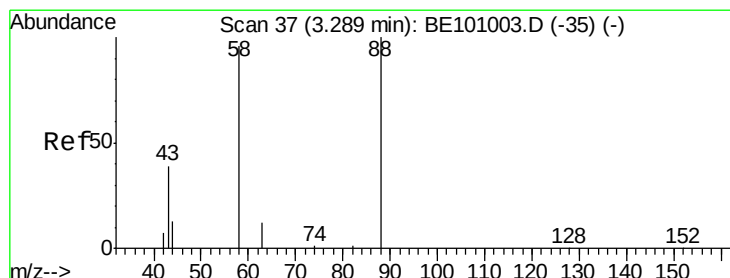
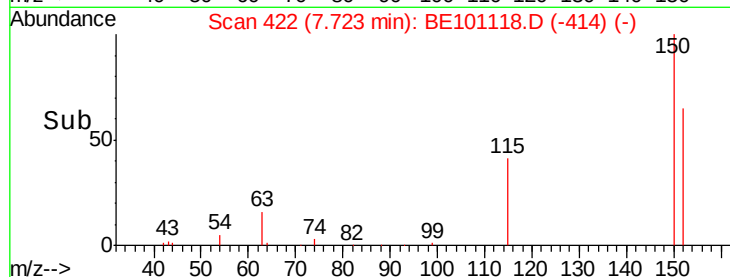
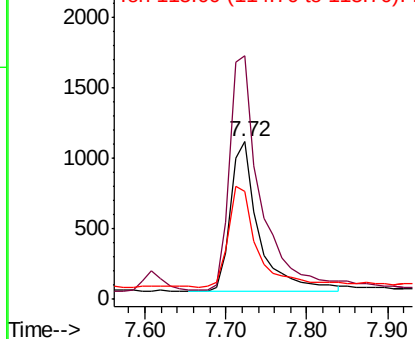
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

Tgt Ion:152 Resp: 2618  
Ion Ratio Lower Upper  
152 100  
150 154.5 120.3 180.5  
115 68.7 51.7 77.5



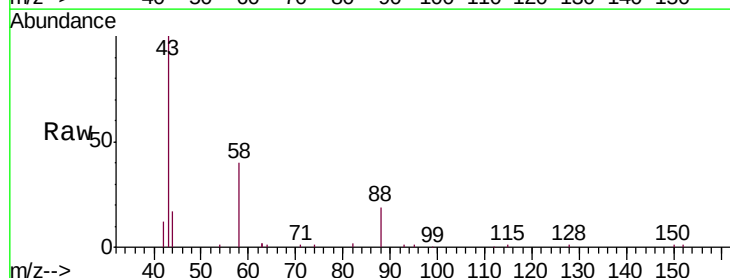
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



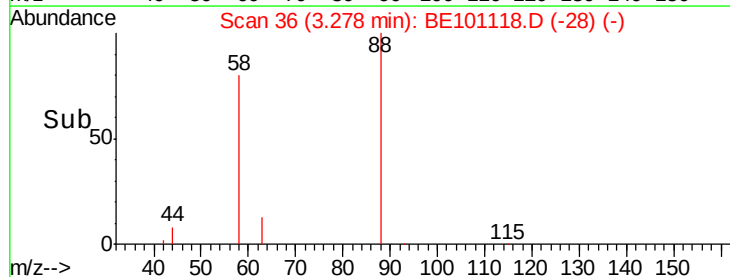
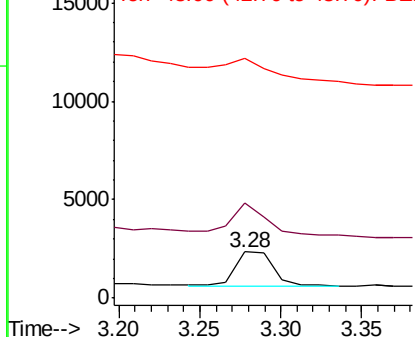
#2

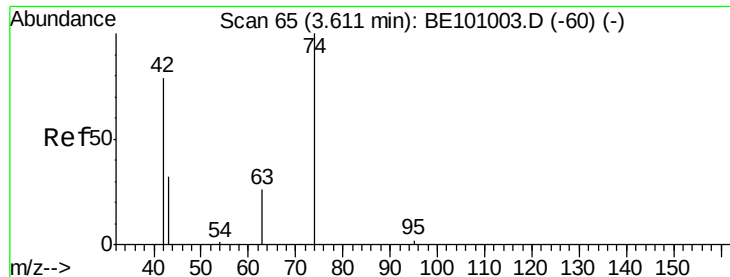
1,4-Dioxane  
Concen: 0.454 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Tgt Ion: 88 Resp: 2761  
Ion Ratio Lower Upper  
88 100  
58 83.8 53.0 79.4#  
43 83.9 23.4 35.2#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.284 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.02 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

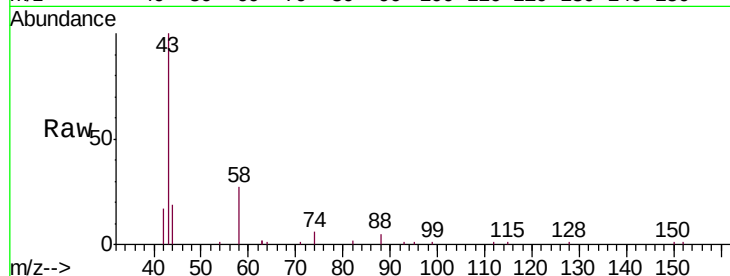
Tgt Ion: 42 Resp: 1032

Ion Ratio Lower Upper

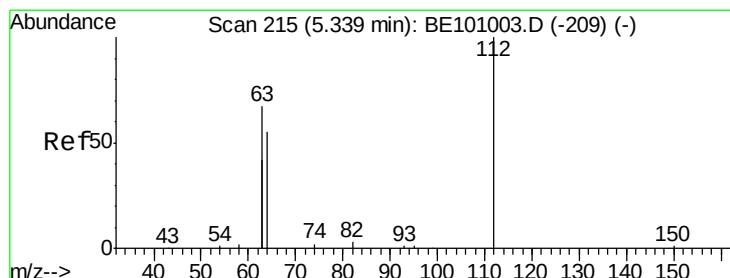
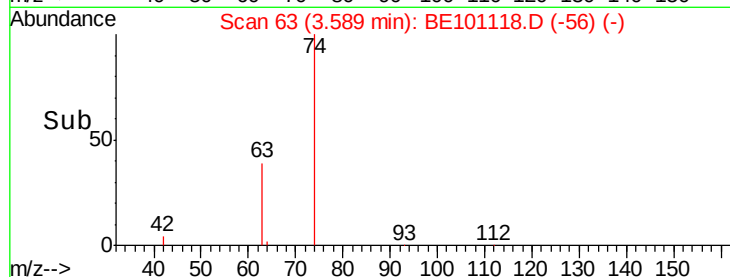
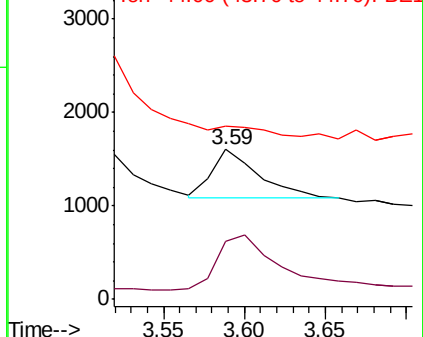
42 100

74 152.6 105.7 158.5

44 0.0 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.334 ng

RT: 5.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

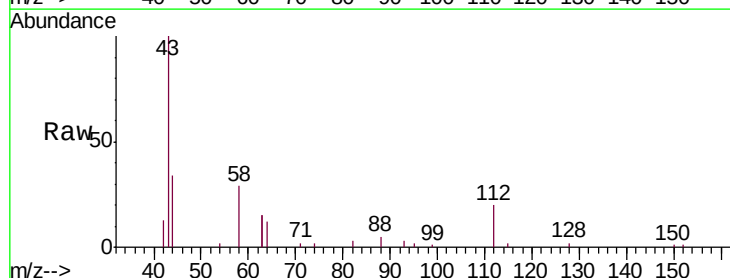
Tgt Ion: 112 Resp: 1967

Ion Ratio Lower Upper

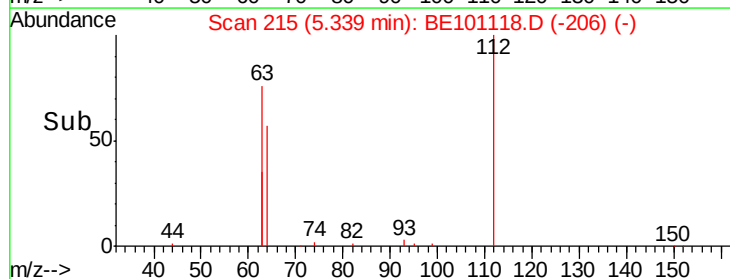
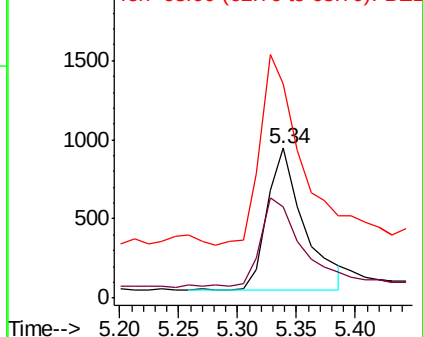
112 100

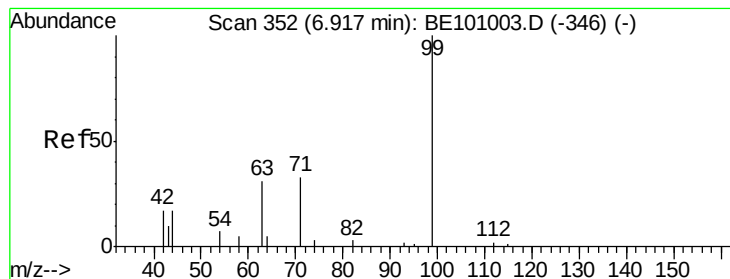
64 67.0 53.6 80.4

63 143.8 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1  
Ion 64.00 (63.70 to 64.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.401 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

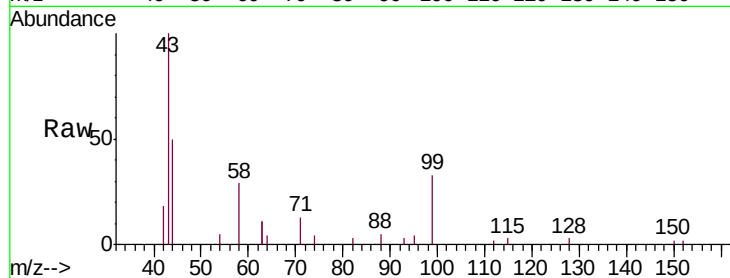
Tgt Ion: 99 Resp: 2987

Ion Ratio Lower Upper

99 100

42 25.7 18.3 27.5

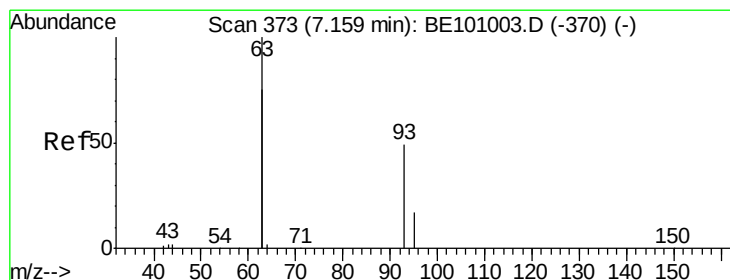
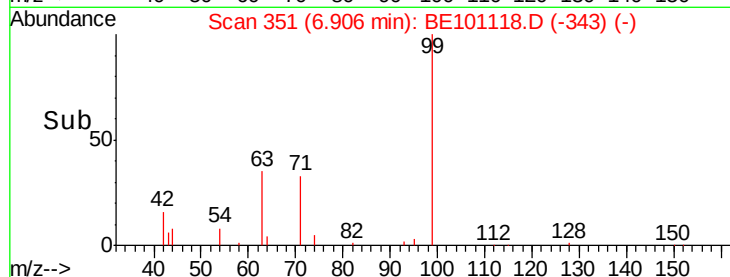
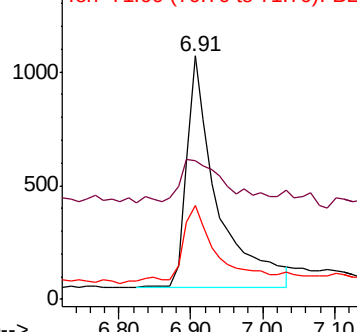
71 34.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.224 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

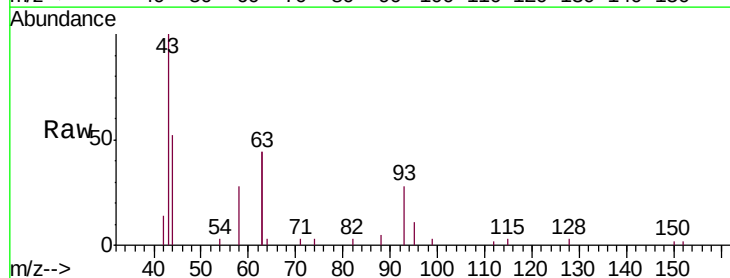
Tgt Ion: 93 Resp: 1991

Ion Ratio Lower Upper

93 100

63 324.0 233.9 350.9

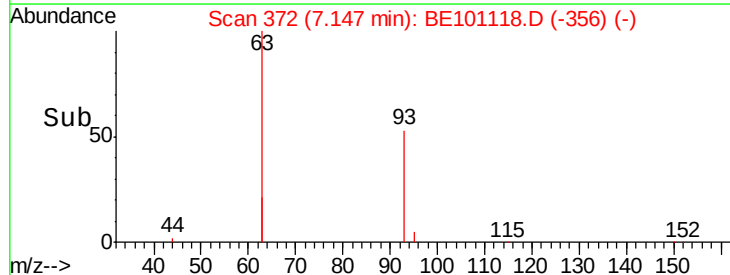
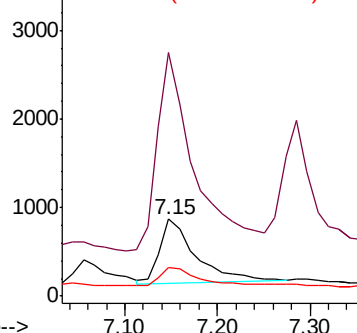
95 30.4 23.5 35.3

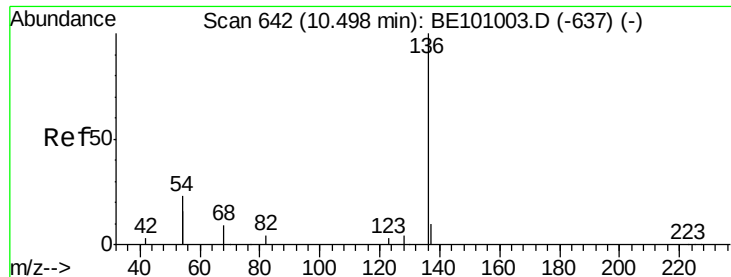


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

Tgt Ion:136 Resp: 11974

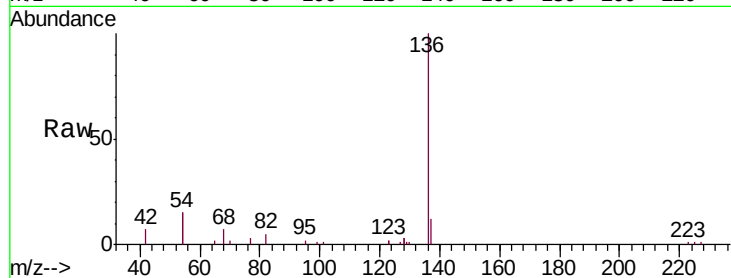
Ion Ratio Lower Upper

136 100

137 12.2 9.3 13.9

54 29.8 36.8 55.2#

68 6.9 8.4 12.6#

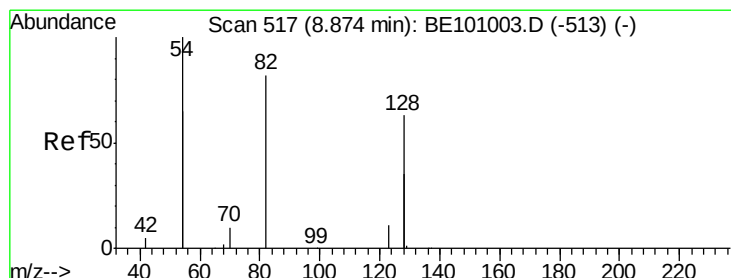
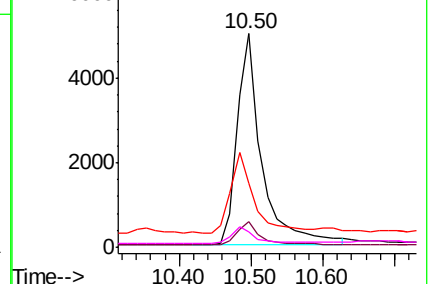
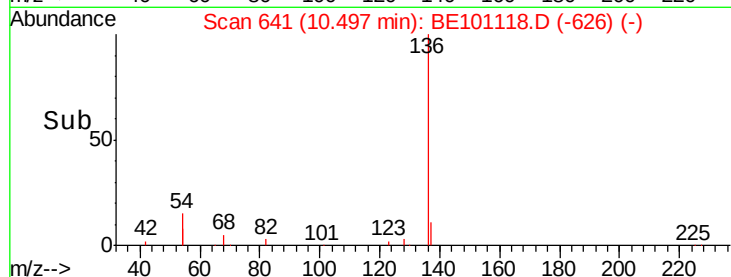


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.290 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

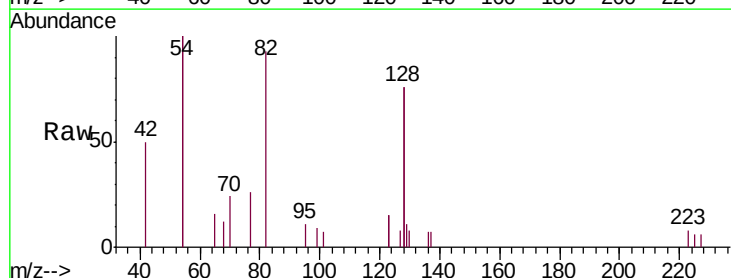
Tgt Ion: 82 Resp: 2482

Ion Ratio Lower Upper

82 100

128 163.9 109.8 164.6

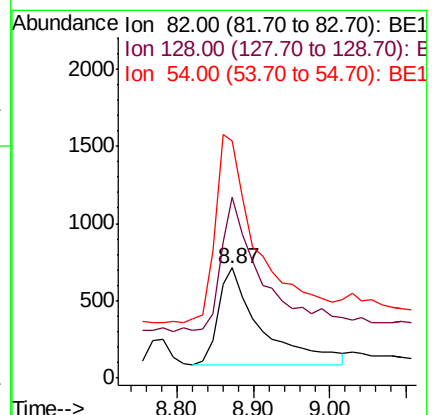
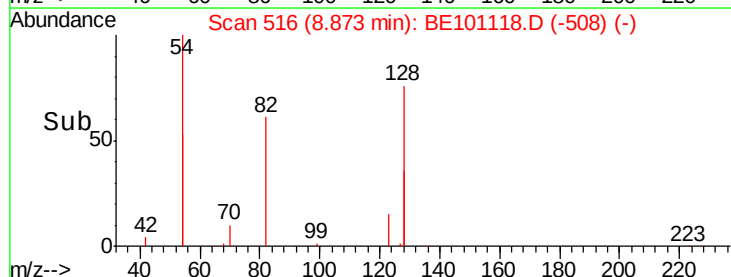
54 214.3 174.5 261.7

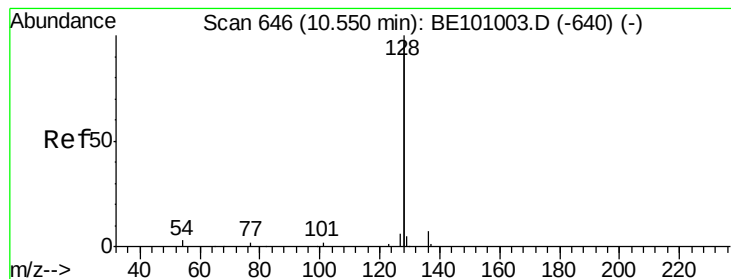


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.471 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.01 min

Lab File: BE101118.D

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Instrument :

BNA\_E

ClientSampleId :

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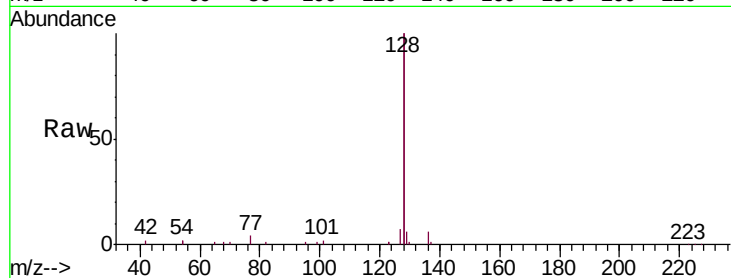
Tgt Ion:128 Resp: 62669

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

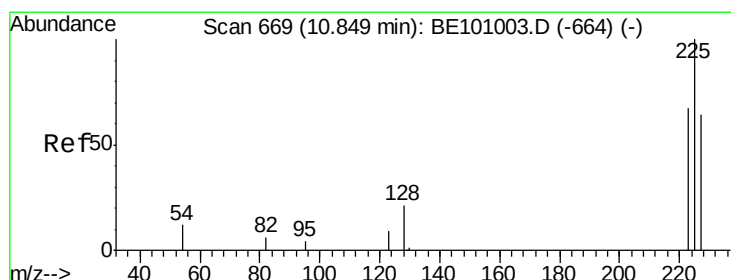
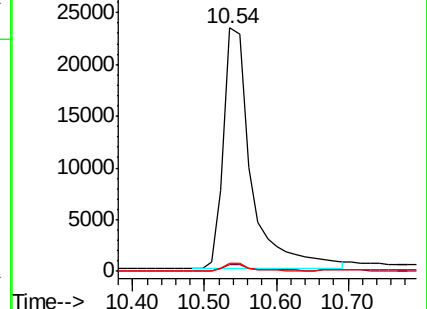
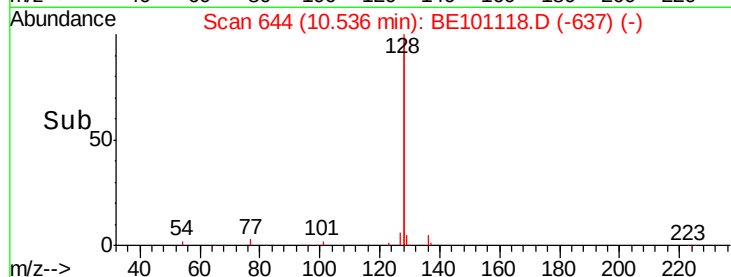
127 3.4 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.259 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

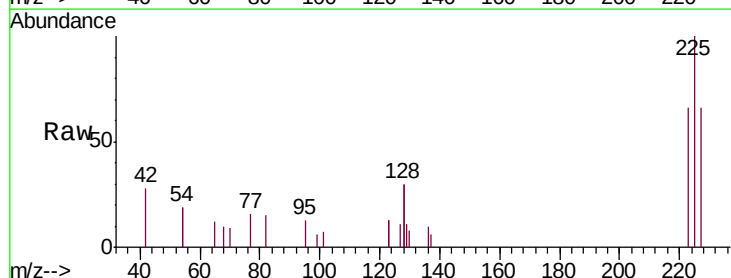
Tgt Ion:225 Resp: 1461

Ion Ratio Lower Upper

225 100

223 62.6 52.2 78.4

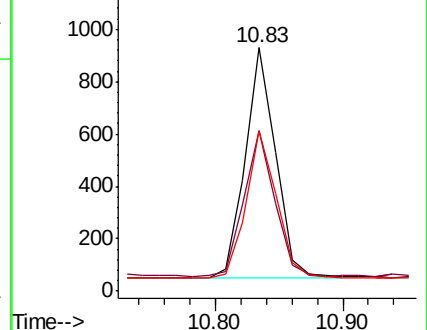
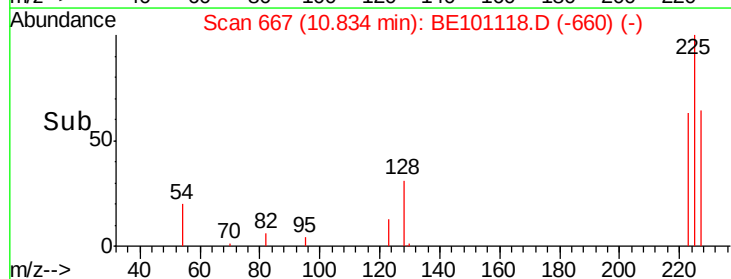
227 64.3 49.9 74.9

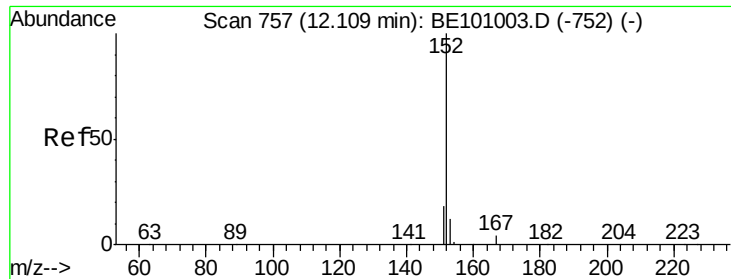


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

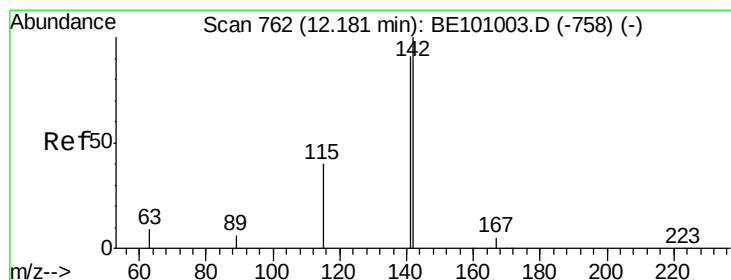
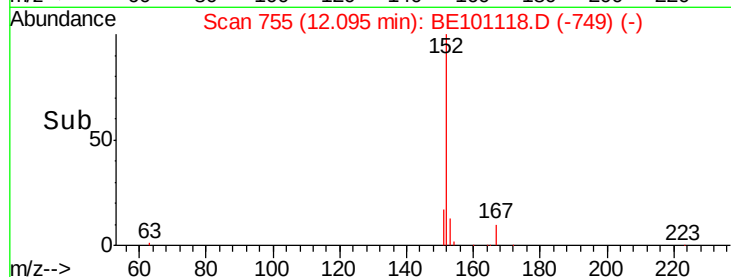
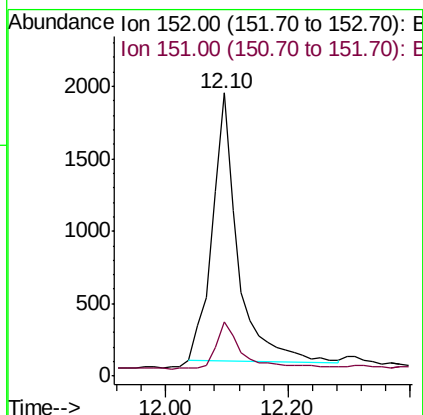
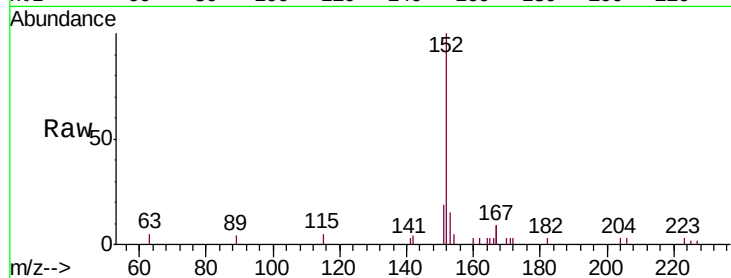




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.233 ng  
 RT: 12.10 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

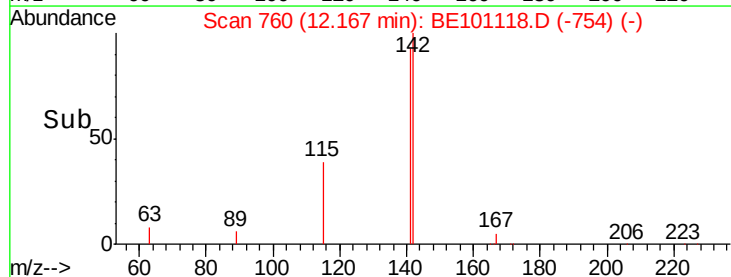
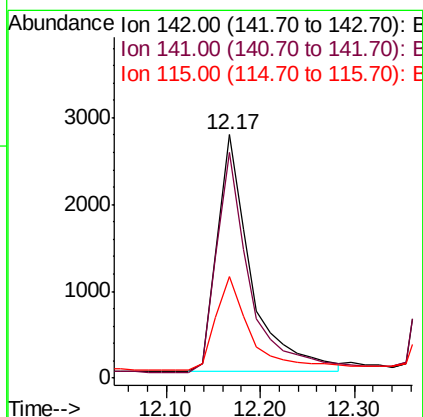
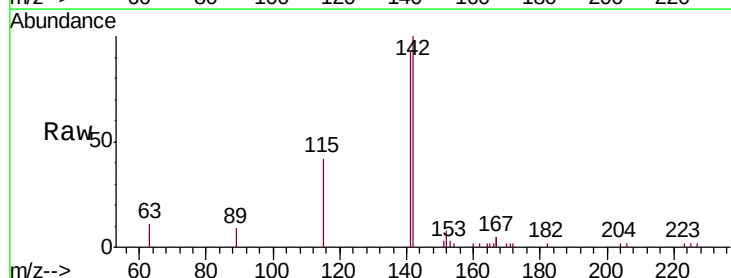
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-29-(4-6)MSD

Tgt Ion:152 Resp: 5319  
 Ion Ratio Lower Upper  
 152 100  
 151 17.0 15.0 22.6

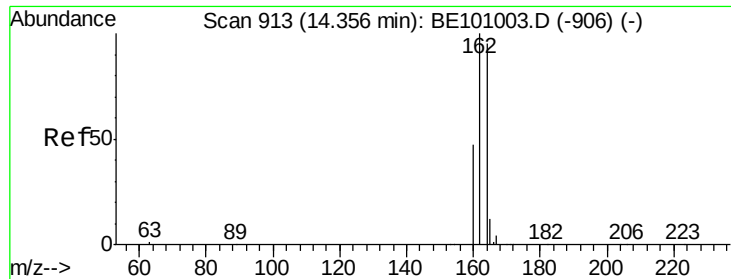


#12  
 2-Methylnaphthalene  
 Concen: 0.338 ng  
 RT: 12.17 min Scan# 760  
 Delta R.T. -0.01 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

Tgt Ion:142 Resp: 6805  
 Ion Ratio Lower Upper  
 142 100  
 141 92.9 72.5 108.7  
 115 41.9 33.0 49.6



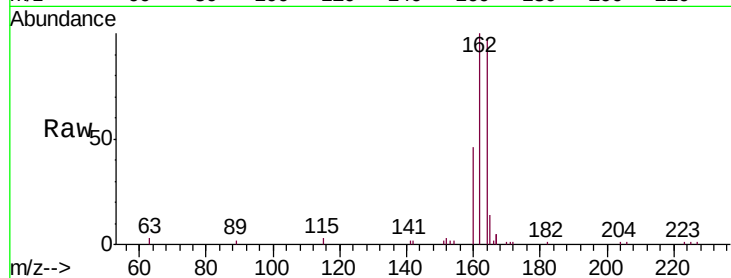




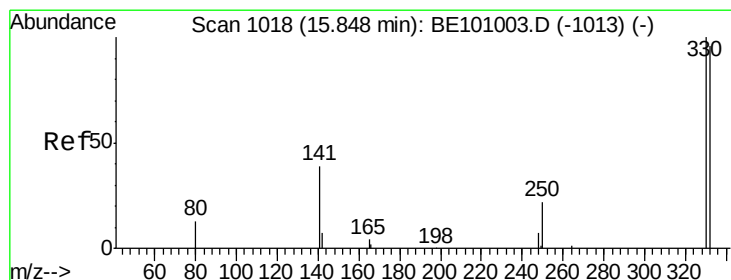
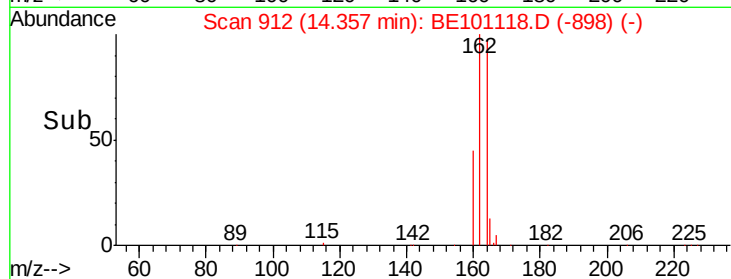
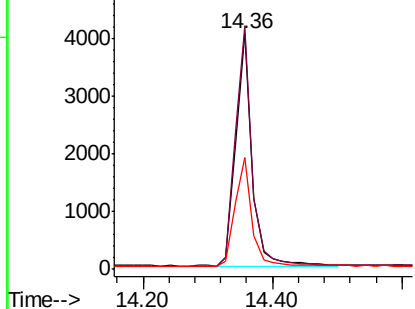
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.36 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-29-(4-6)MSD

Tgt Ion:164 Resp: 7030  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 84.1 126.1  
 160 47.6 40.4 60.6

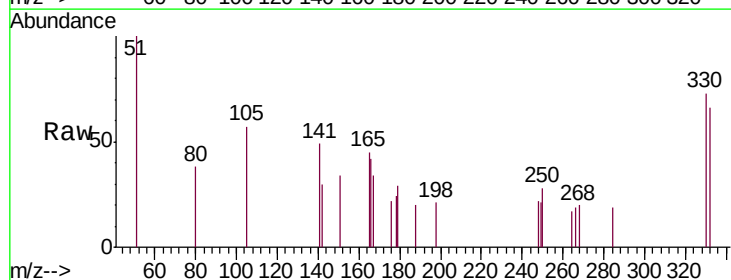


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

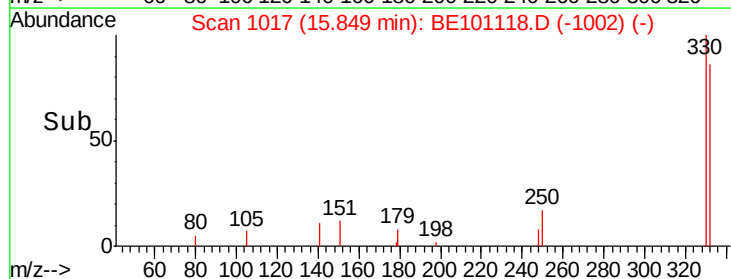
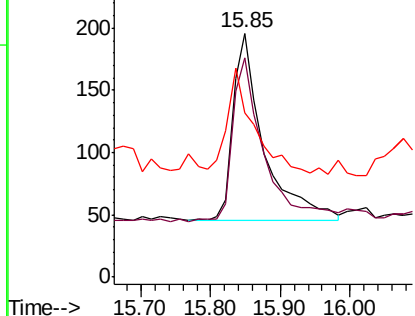


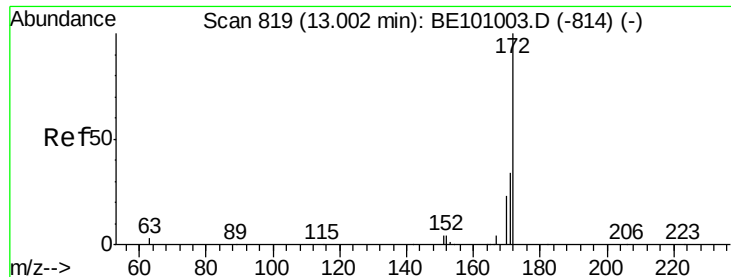
#14  
 2,4,6-Tribromophenol  
 Concen: 0.229 ng  
 RT: 15.85 min Scan# 1017  
 Delta R.T. 0.00 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

Tgt Ion:330 Resp: 455  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 78.4 117.6  
 141 47.7 37.0 55.4



Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

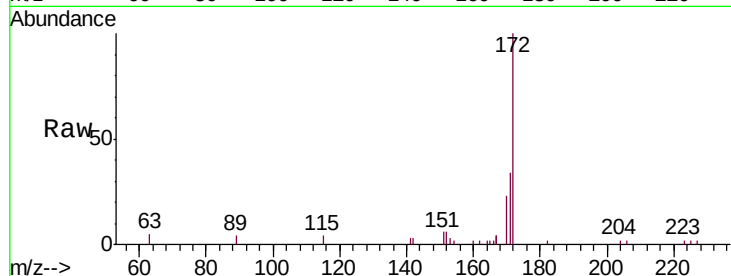




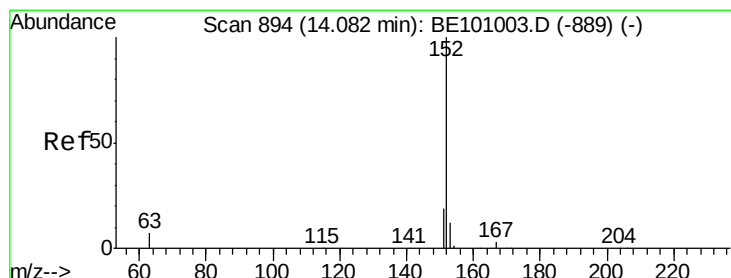
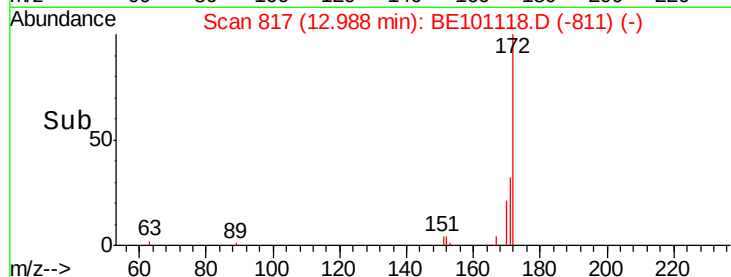
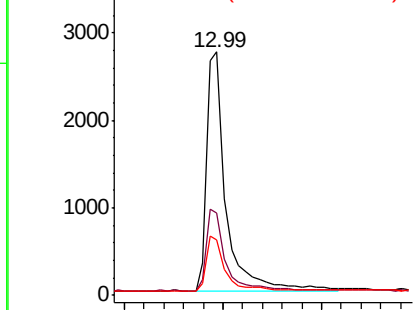
#15  
2-Fluorobiphenyl  
Concen: 0.276 ng  
RT: 12.99 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

Tgt Ion:172 Resp: 7375  
Ion Ratio Lower Upper  
172 100  
171 33.9 28.2 42.2  
170 22.5 18.9 28.3

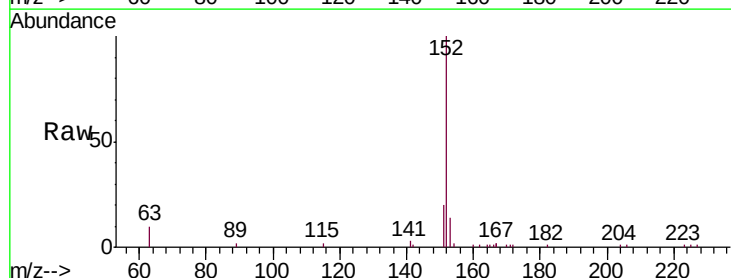


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

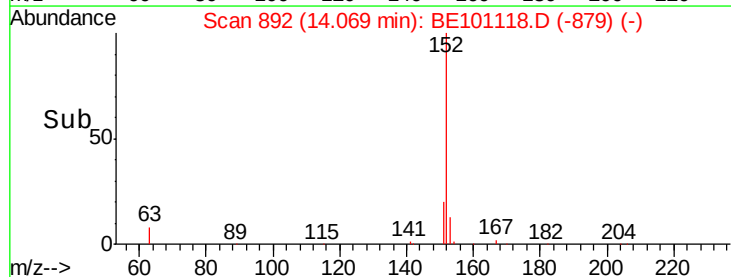
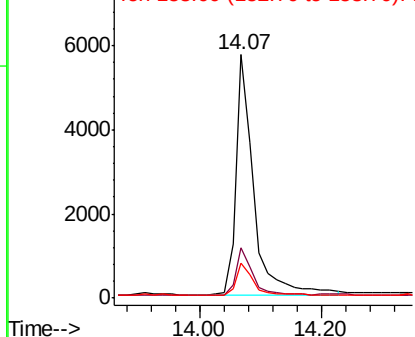


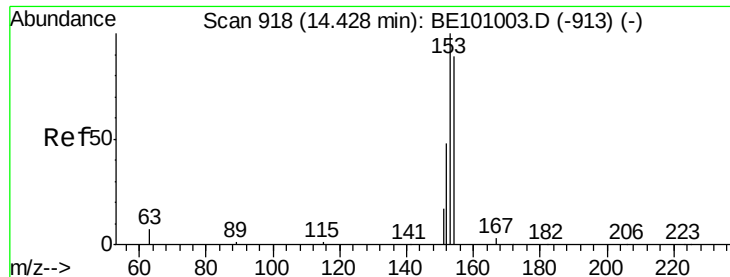
#16  
Acenaphthylene  
Concen: 0.412 ng  
RT: 14.07 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Tgt Ion:152 Resp: 11791  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.5 23.3  
153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

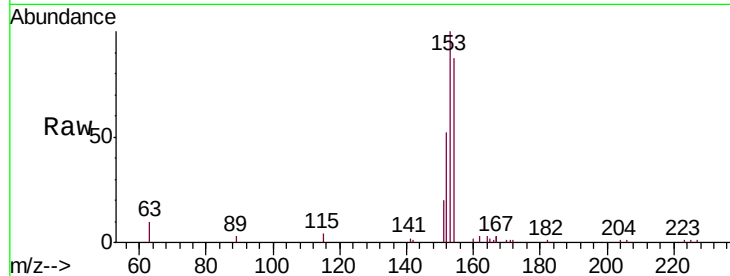




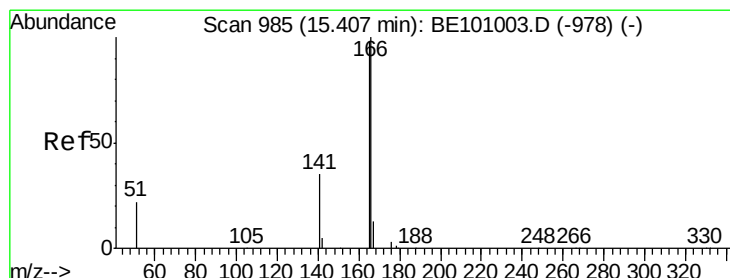
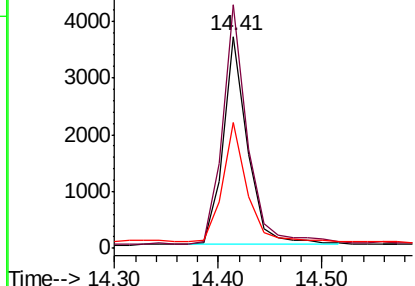
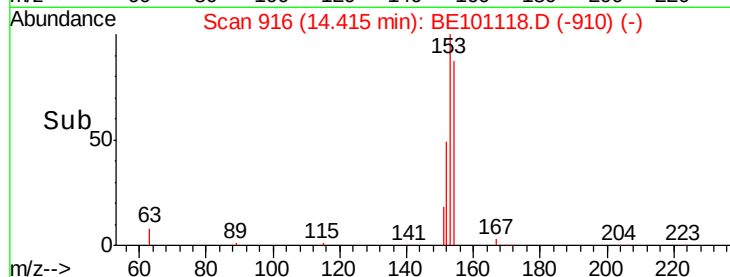
#17  
Acenaphthene  
Concen: 0.296 ng  
RT: 14.41 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

Tgt Ion:154 Resp: 6068  
Ion Ratio Lower Upper  
154 100  
153 117.6 93.6 140.4  
152 56.2 46.3 69.5

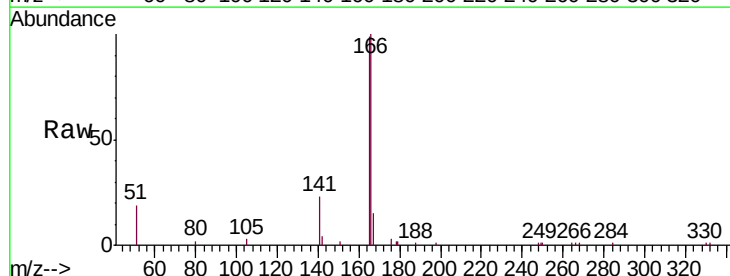


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

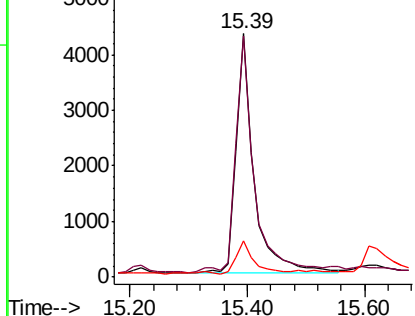
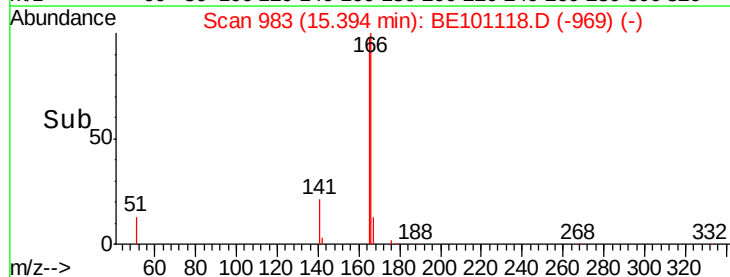


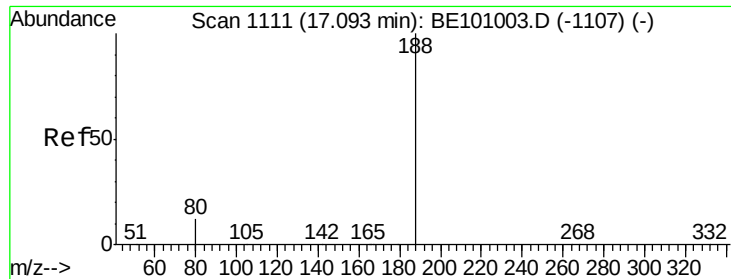
#18  
Fluorene  
Concen: 0.361 ng  
RT: 15.39 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Tgt Ion:166 Resp: 9357  
Ion Ratio Lower Upper  
166 100  
165 100.9 79.8 119.8  
167 13.3 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

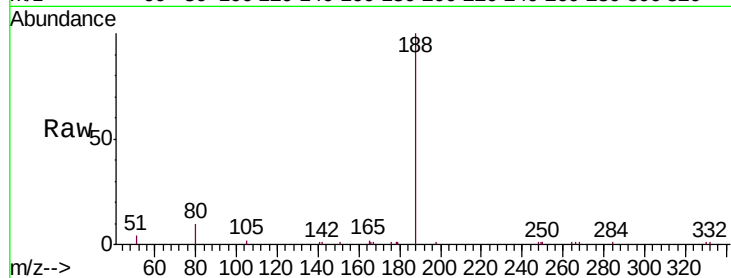
Tgt Ion:188 Resp: 15718

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

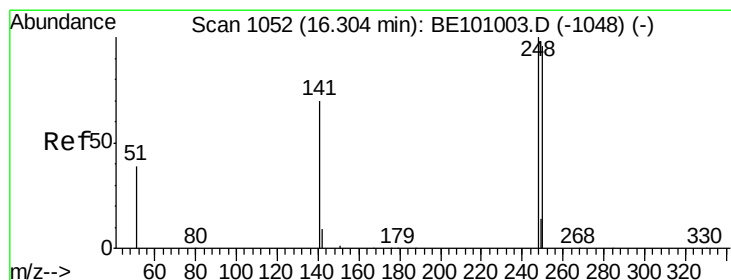
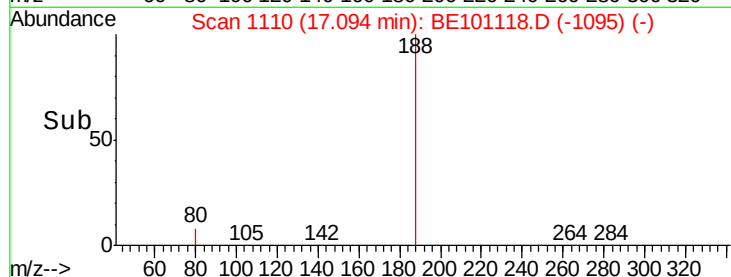
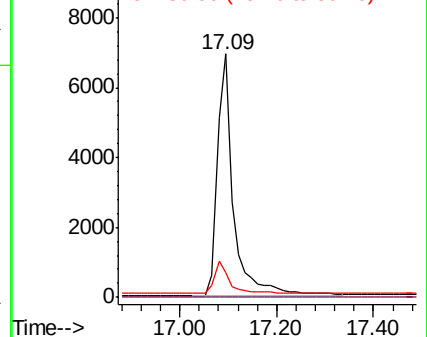
80 10.1 10.8 16.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.259 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

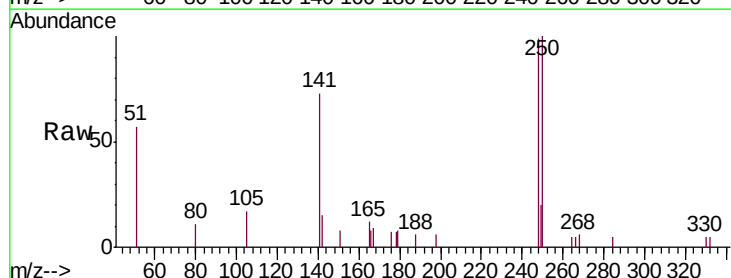
Tgt Ion:248 Resp: 1989

Ion Ratio Lower Upper

248 100

250 101.3 76.6 115.0

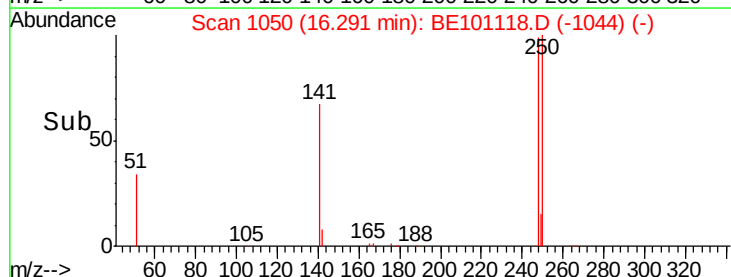
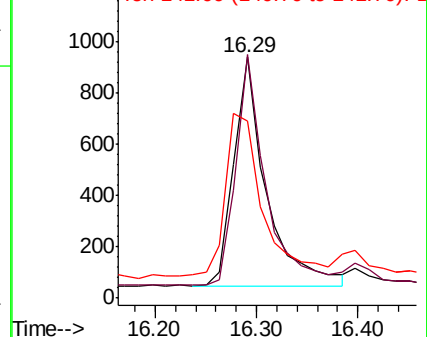
141 73.7 57.7 86.5

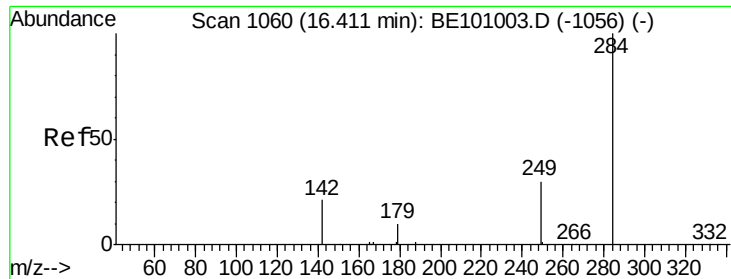


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

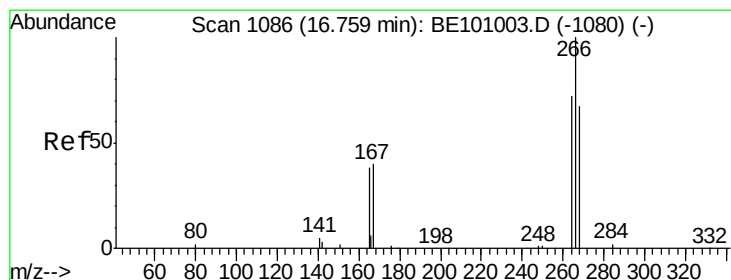
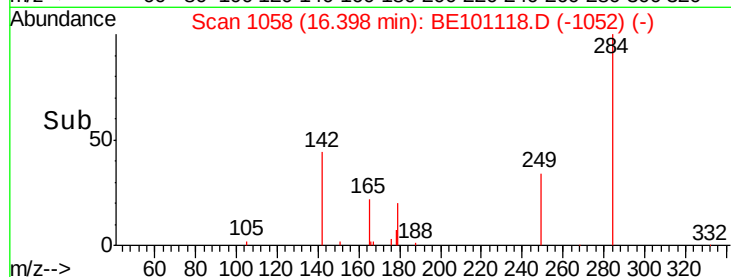
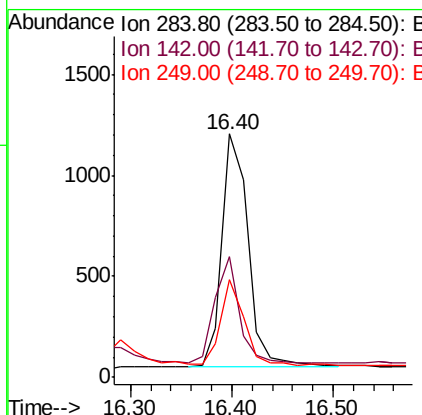
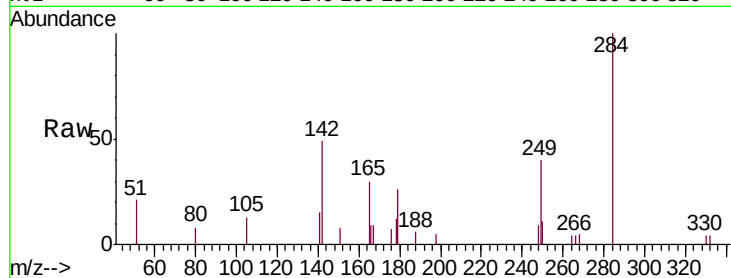




#21  
Hexachlorobenzene  
Concen: 0.247 ng  
RT: 16.40 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

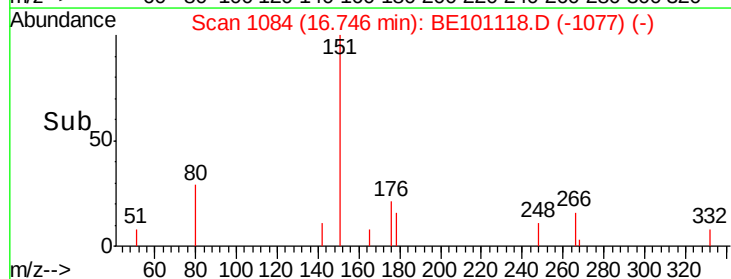
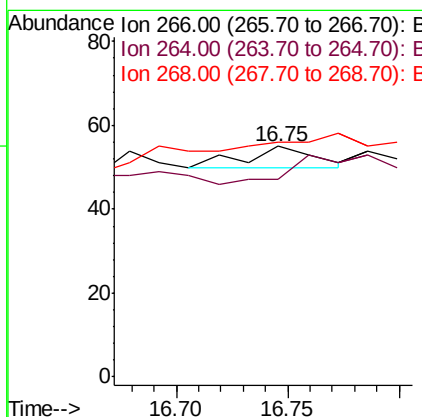
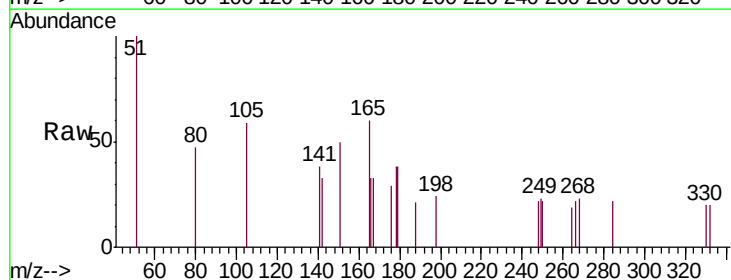
Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

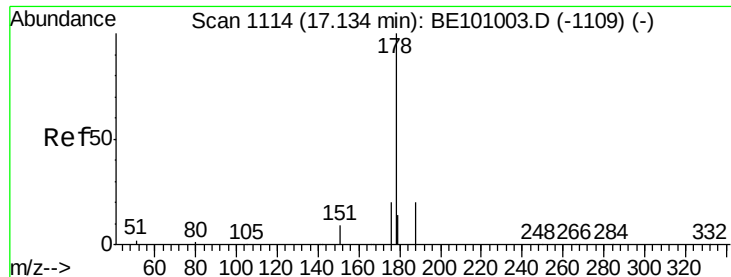
Tgt Ion: 284 Resp: 2075  
Ion Ratio Lower Upper  
284 100  
142 42.7 34.0 51.0  
249 32.7 28.2 42.4



#22  
Pentachlorophenol  
Concen: 0.253 ng  
RT: 16.75 min Scan# 1084  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Tgt Ion: 266 Resp: 10  
Ion Ratio Lower Upper  
266 100  
264 85.5 61.0 91.4  
268 101.8 58.5 87.7#





#23

Phenanthrene

Concen: 0.740 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

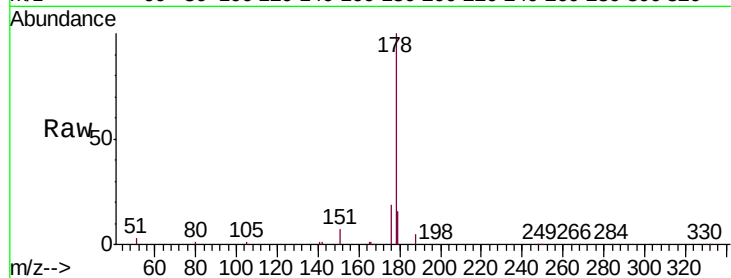
Tgt Ion:178 Resp: 31755

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

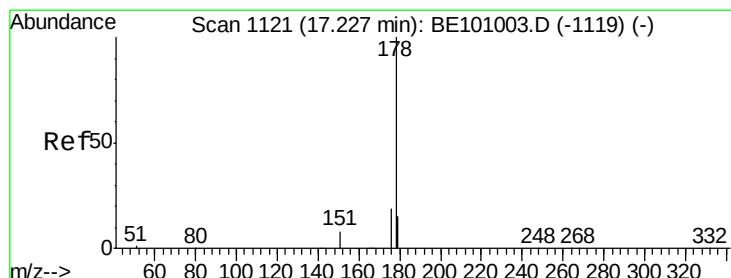
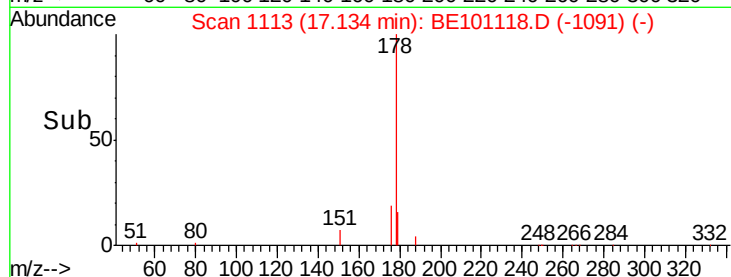
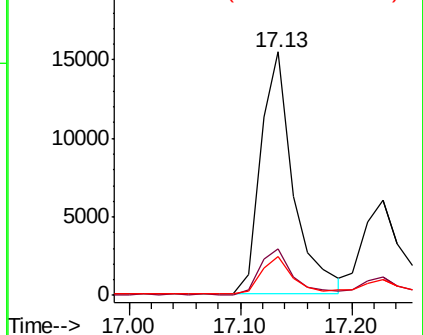
179 15.0 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.422 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

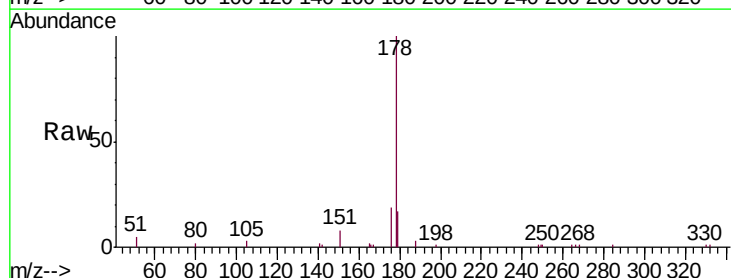
Tgt Ion:178 Resp: 17106

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

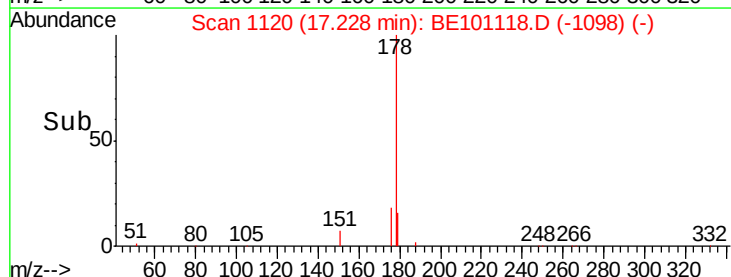
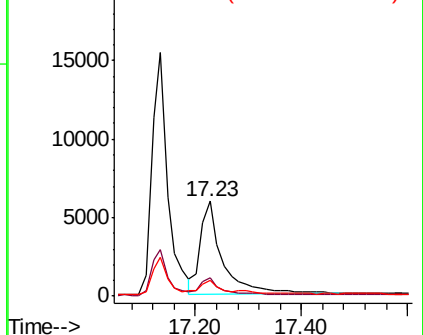
179 14.0 12.4 18.6

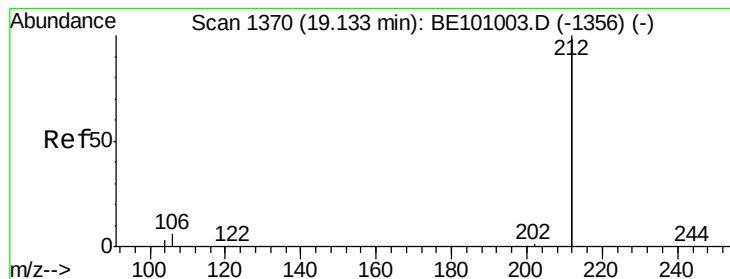


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.228 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

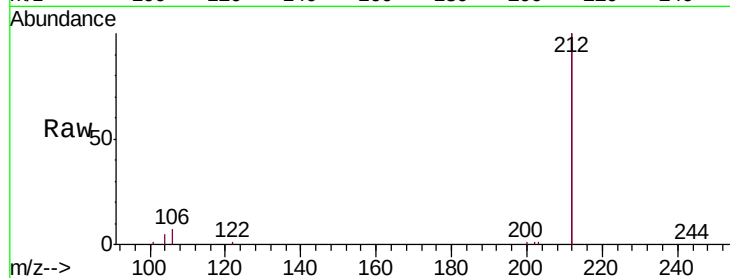
Tgt Ion:212 Resp: 49768

Ion Ratio Lower Upper

212 100

106 3.4 2.6 3.8

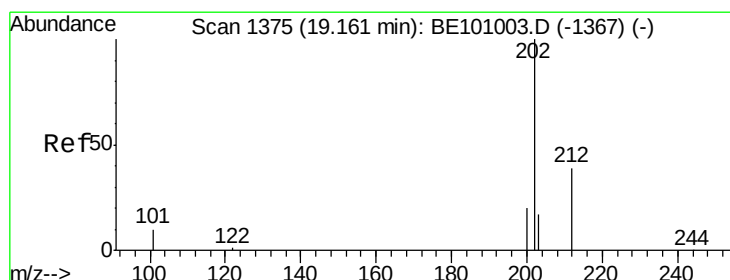
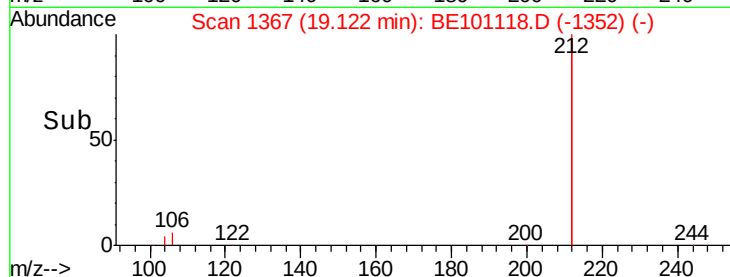
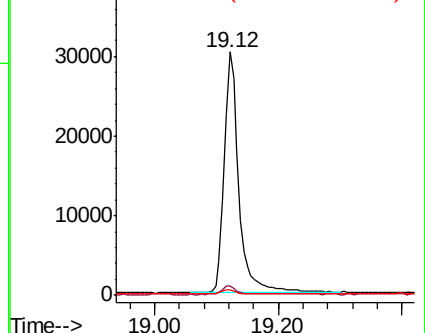
104 2.1 1.4 2.0#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.846 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

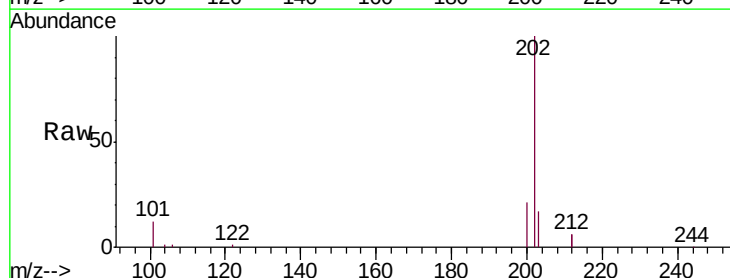
Tgt Ion:202 Resp: 45478

Ion Ratio Lower Upper

202 100

101 11.8 9.6 14.4

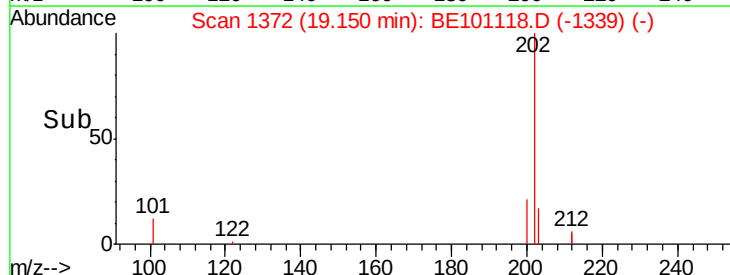
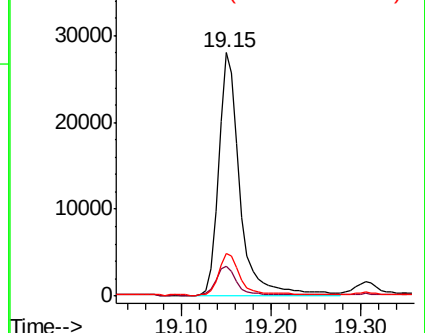
203 17.3 13.8 20.6

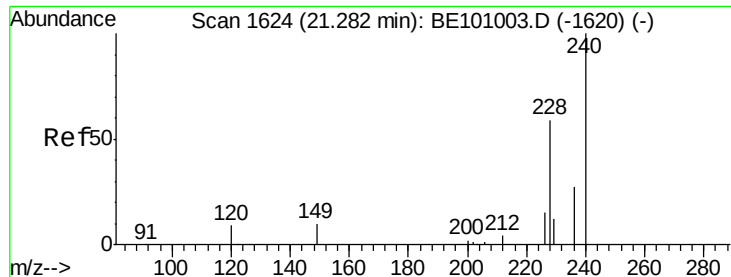


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

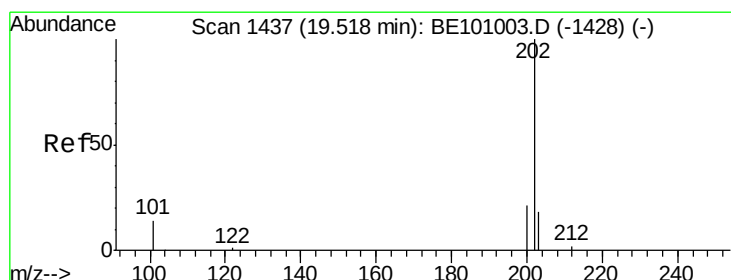
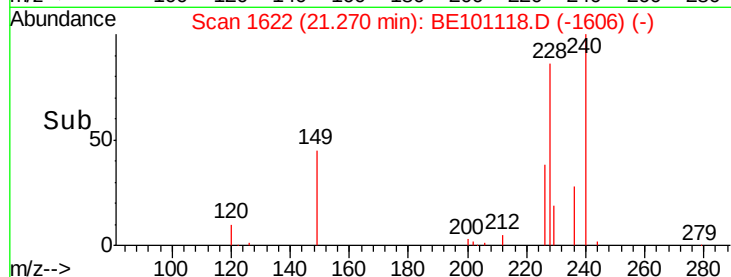
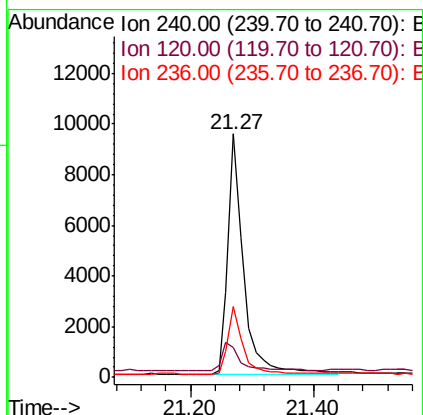
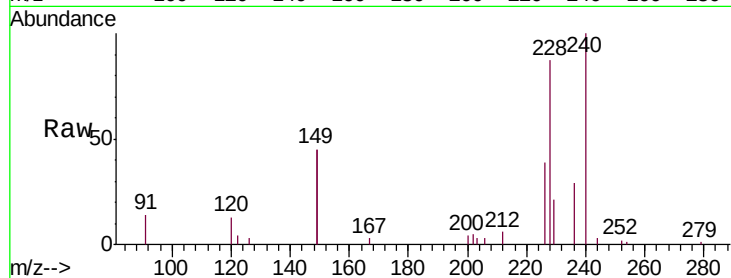
Tgt Ion:240 Resp: 16905

Ion Ratio Lower Upper

240 100

120 12.5 8.6 13.0

236 29.0 22.2 33.4



#28

Pyrene

Concen: 0.785 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

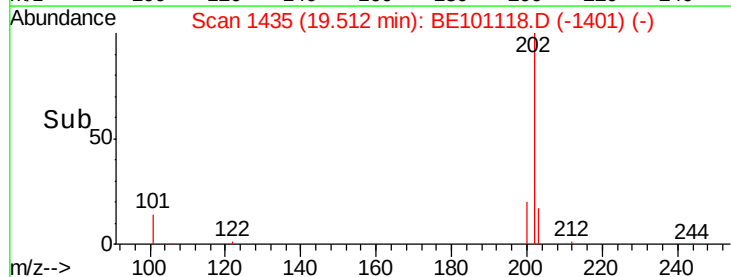
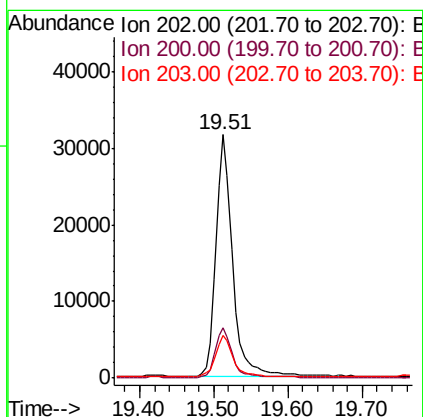
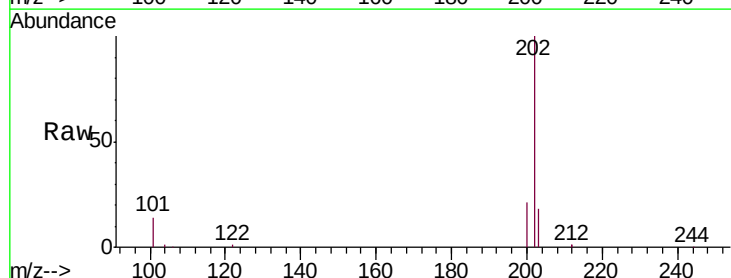
Tgt Ion:202 Resp: 49424

Ion Ratio Lower Upper

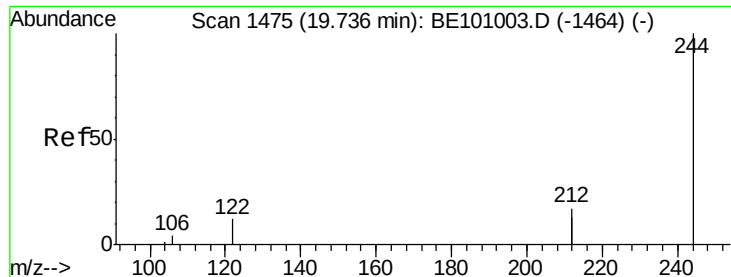
202 100

200 20.9 17.0 25.4

203 18.2 13.8 20.6



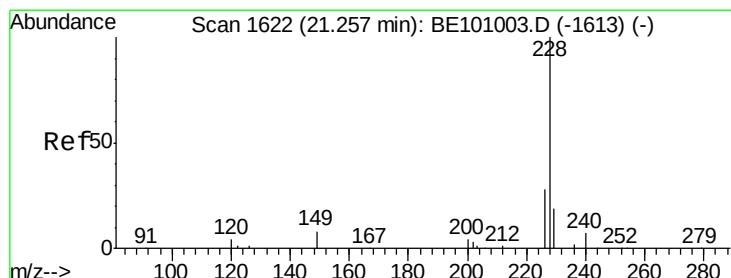
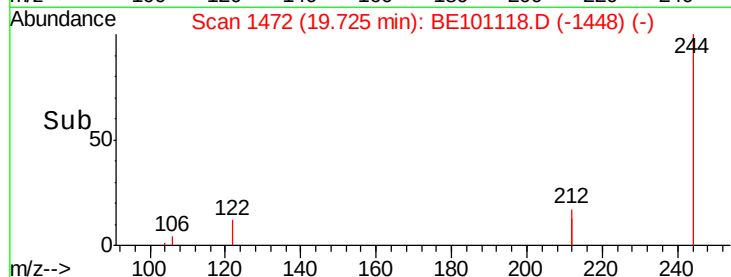
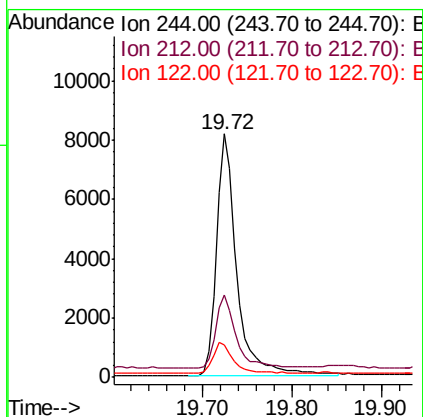
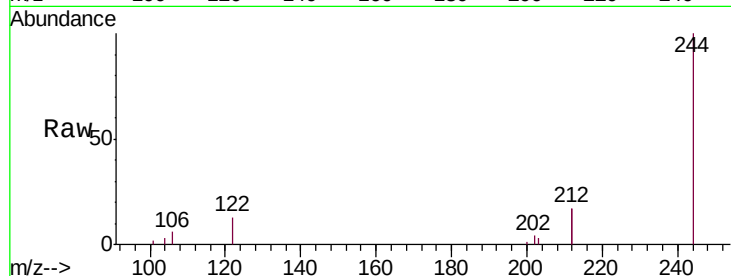




#29  
 Terphenyl-d14  
 Concen: 0.310 ng  
 RT: 19.72 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

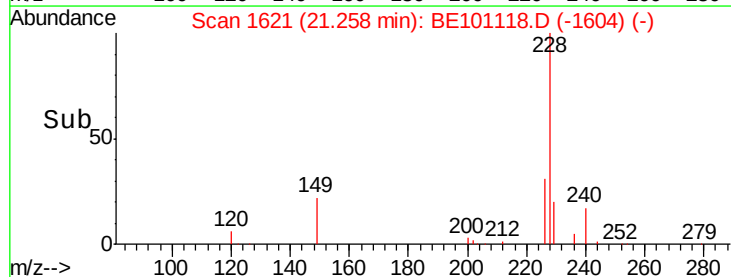
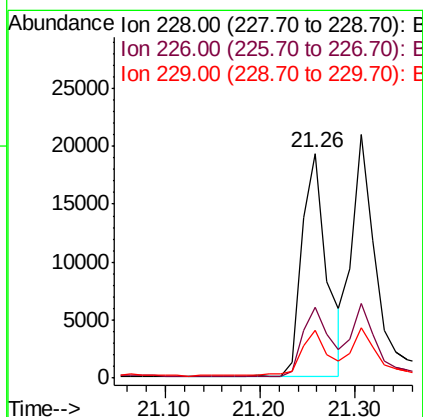
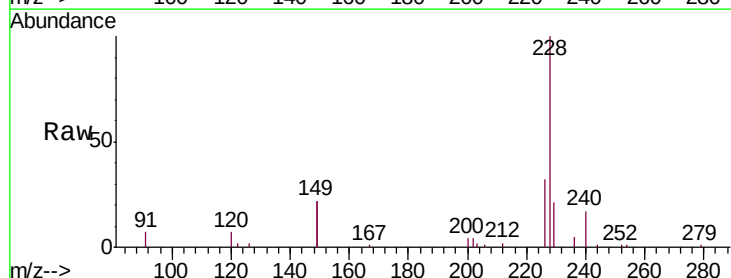
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-29-(4-6)MSD

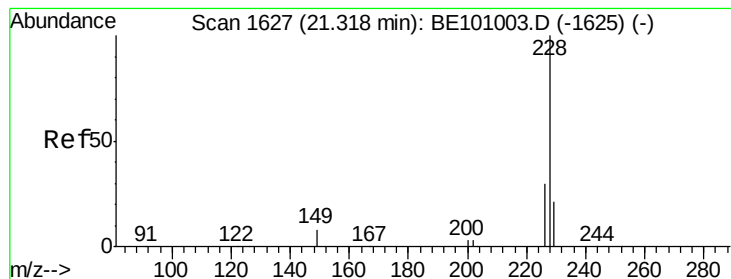
Tgt Ion:244 Resp: 12858  
 Ion Ratio Lower Upper  
 244 100  
 212 33.8 27.2 40.8  
 122 13.3 9.8 14.8



#30  
 Benzo(a)anthracene  
 Concen: 0.729 ng  
 RT: 21.26 min Scan# 1621  
 Delta R.T. 0.00 min  
 Lab File: BE101118.D  
 Acq: 22 Jan 2020 17:16

Tgt Ion:228 Resp: 35159  
 Ion Ratio Lower Upper  
 228 100  
 226 31.8 22.7 34.1  
 229 21.0 15.5 23.3





#31

Chrysene

Concen: 0.523 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

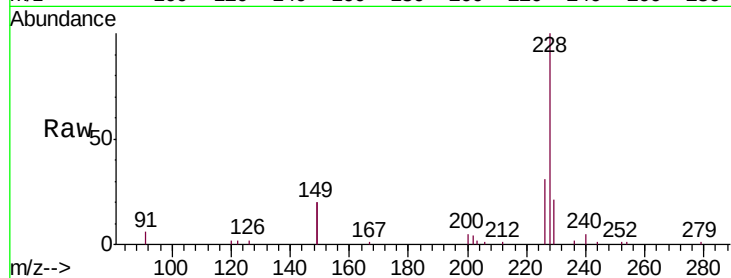
Tgt Ion:228 Resp: 37504

Ion Ratio Lower Upper

228 100

226 30.9 23.5 35.3

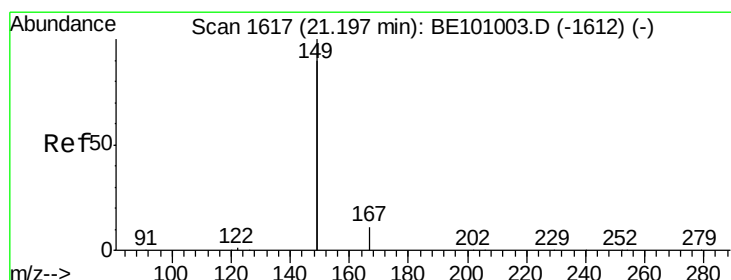
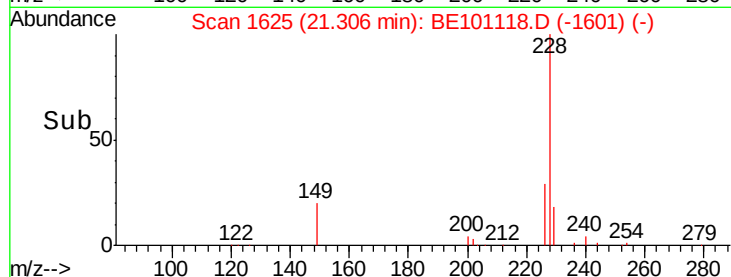
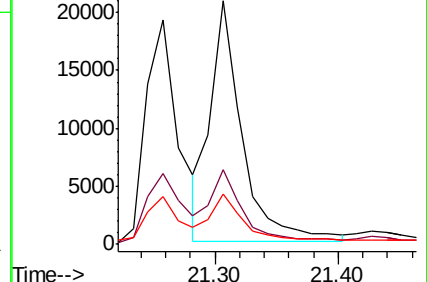
229 20.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.747 ng

RT: 21.20 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

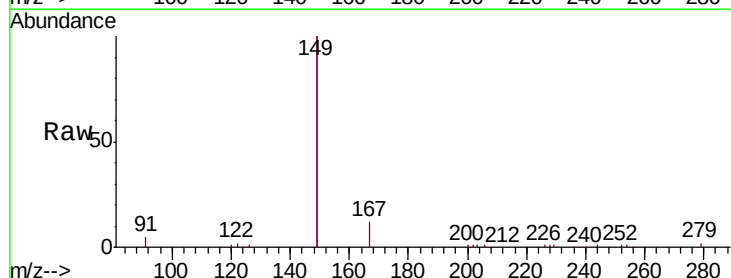
Tgt Ion:149 Resp: 60084

Ion Ratio Lower Upper

149 100

167 6.1 5.2 7.8

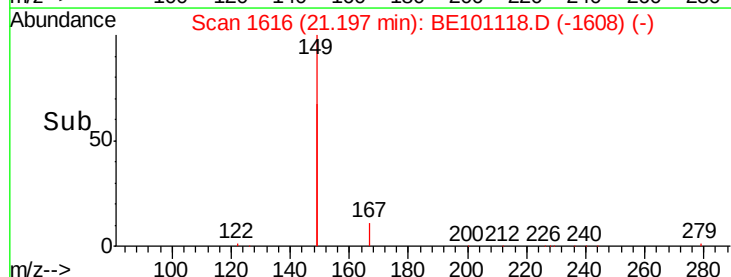
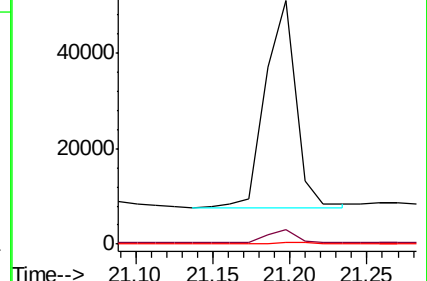
279 0.8 0.8 1.2

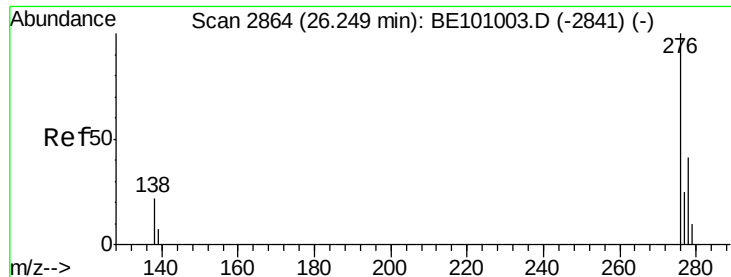


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.585 ng

RT: 26.25 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

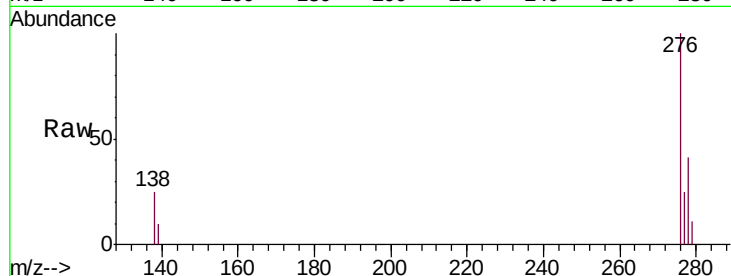
Tgt Ion:276 Resp: 33123

Ion Ratio Lower Upper

276 100

138 23.8 16.1 24.1

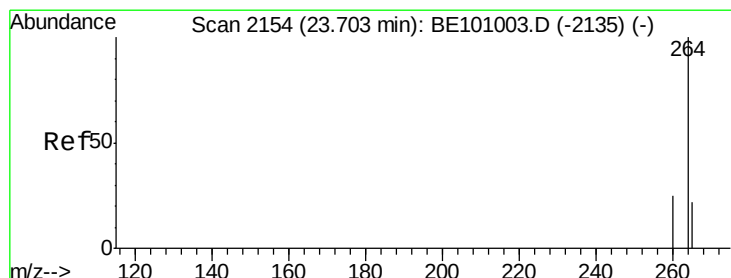
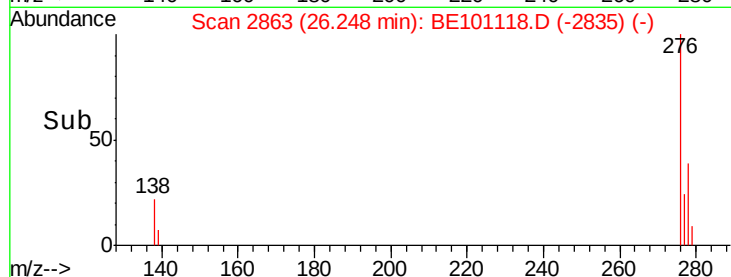
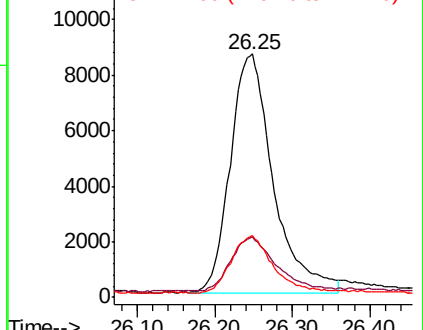
277 23.5 18.1 27.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.69 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

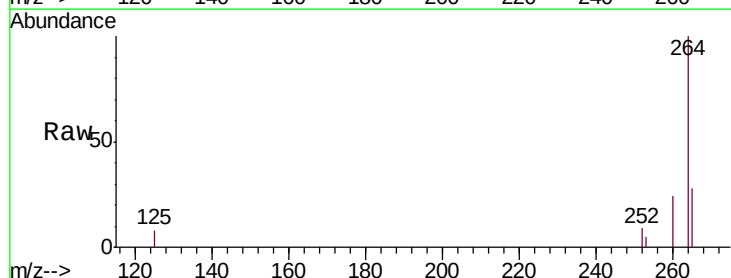
Tgt Ion:264 Resp: 21348

Ion Ratio Lower Upper

264 100

260 24.5 20.3 30.5

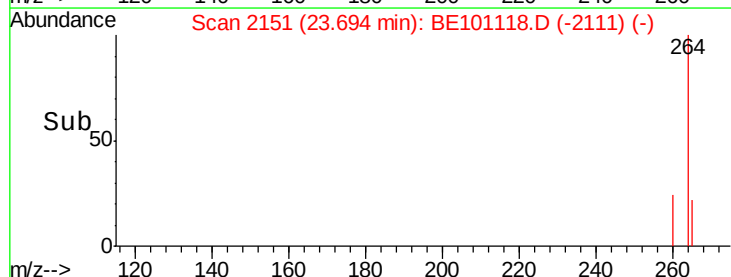
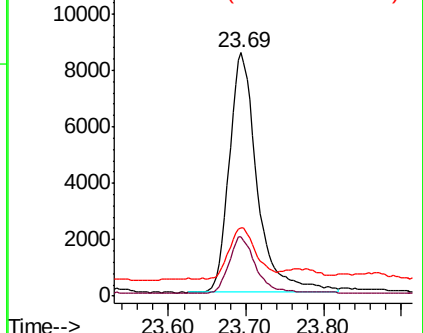
265 28.0 27.0 40.4

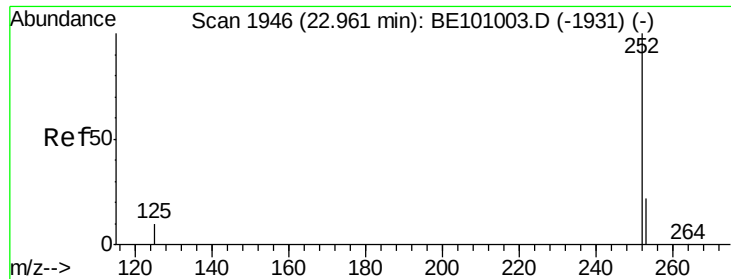


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

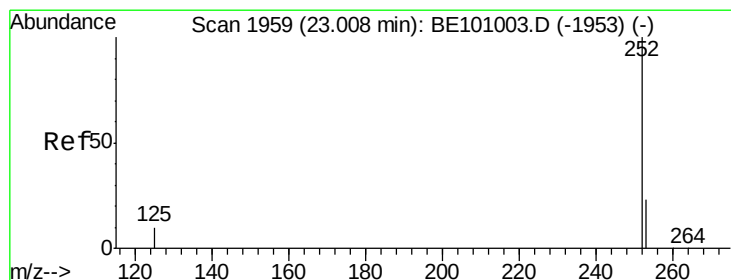
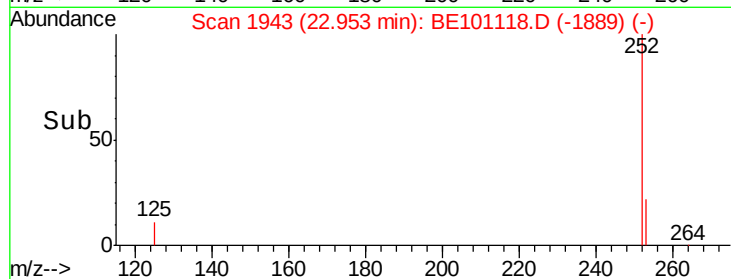
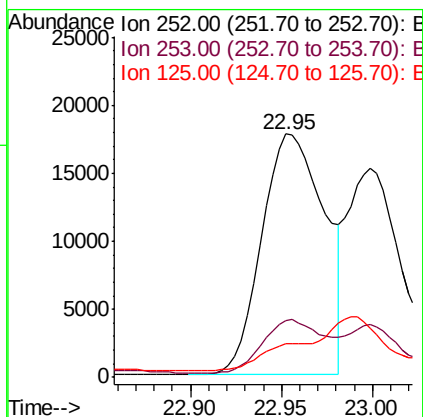
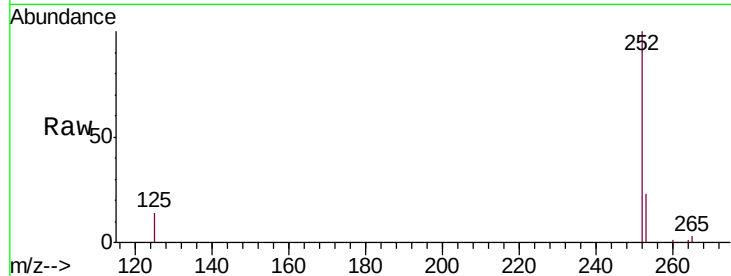




#35  
Benzo(b)fluoranthene  
Concen: 0.710 ng  
RT: 22.95 min Scan# 1943  
Delta R.T. -0.01 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

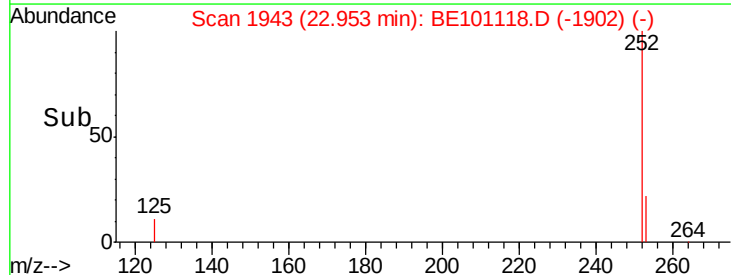
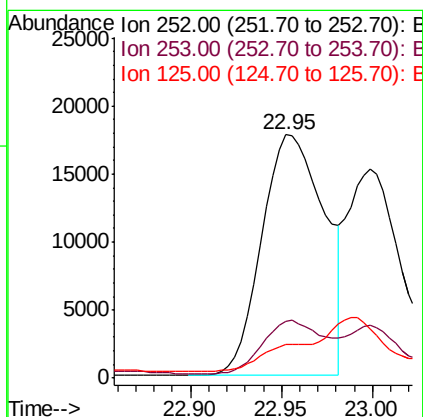
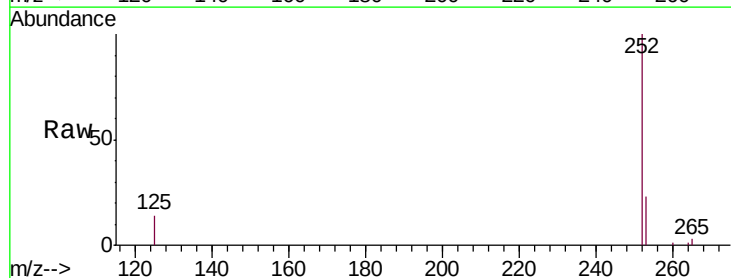
Instrument :  
BNA\_E  
ClientSampleId :  
SB-29-(4-6)MSD

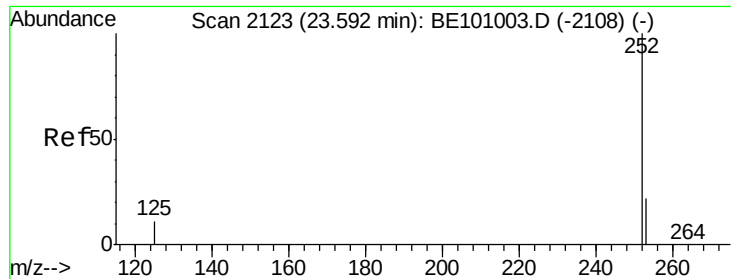
Tgt Ion:252 Resp: 42504  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.5 27.7  
125 13.8 9.5 14.3



#36  
Benzo(k)fluoranthene  
Concen: 0.490 ng  
RT: 22.95 min Scan# 1943  
Delta R.T. -0.06 min  
Lab File: BE101118.D  
Acq: 22 Jan 2020 17:16

Tgt Ion:252 Resp: 42504  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.9 28.3  
125 13.8 10.1 15.1





#37

Benzo(a)pyrene

Concen: 0.609 ng

RT: 23.59 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD

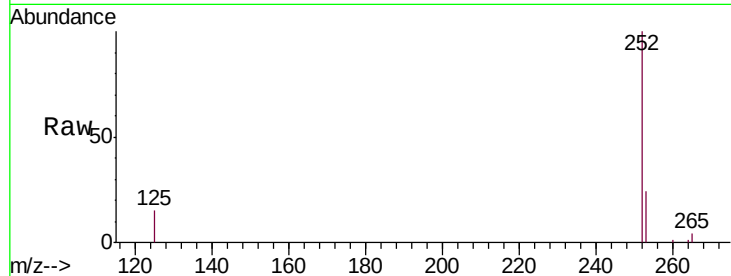
Tgt Ion:252 Resp: 35264

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

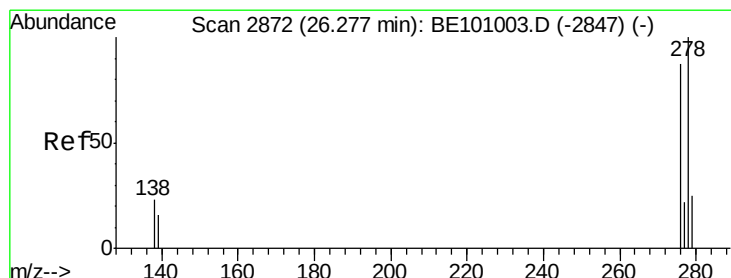
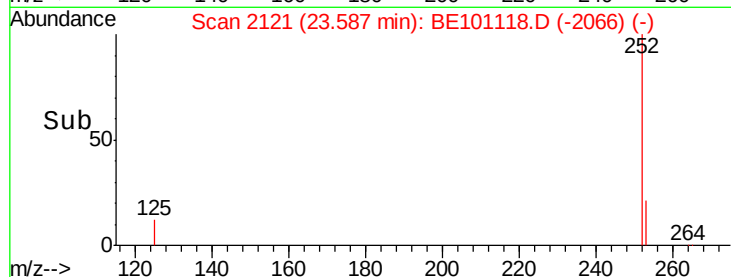
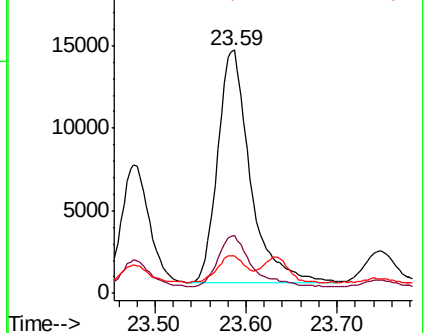
125 15.4 11.8 17.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.327 ng

RT: 26.26 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BE101118.D

Acq: 22 Jan 2020 17:16

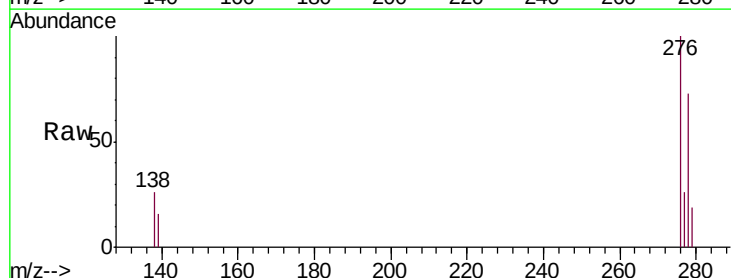
Tgt Ion:278 Resp: 17394

Ion Ratio Lower Upper

278 100

139 21.5 15.0 22.4

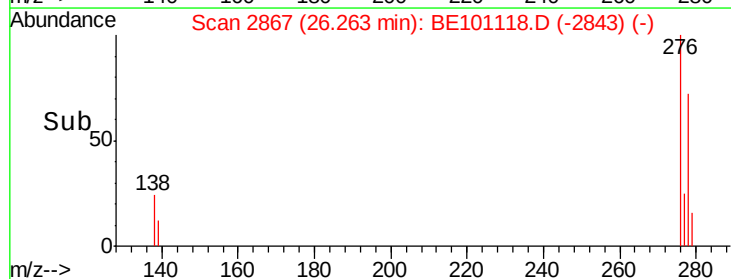
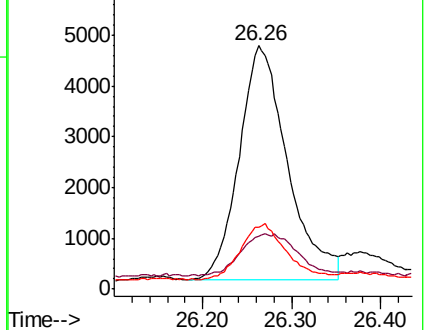
279 25.6 22.6 33.8

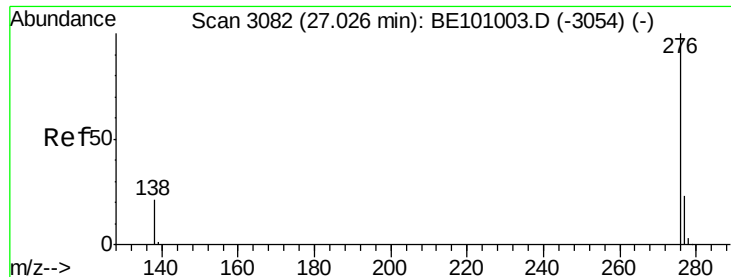


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.515 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BE101118.D

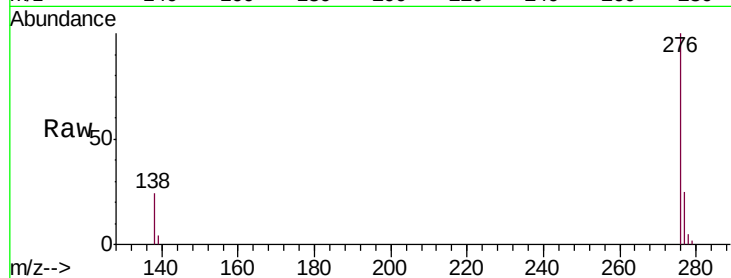
Acq: 22 Jan 2020 17:16

Instrument :

BNA\_E

ClientSampleId :

SB-29-(4-6)MSD



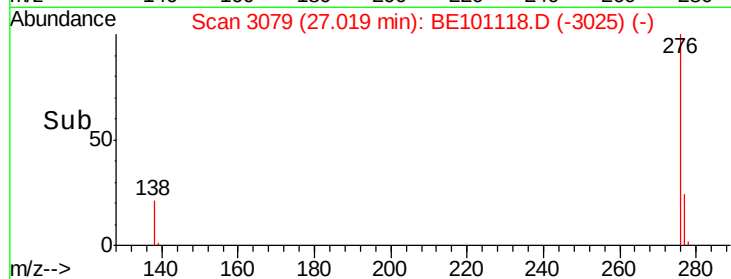
Tgt Ion: 276 Resp: 33712

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.2

138 23.6 17.9 26.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

